



## Bachelor of Science in Mathematics (120 hours)

This table shows a sample recommended course sequence for this degree based on the **UHD 2025-26 Undergraduate Catalog**. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements. Courses with asterisks (\*) indicate Common Core courses.

### First Year (Freshman 0-29 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
ENG 1301*	3		ENGL 1301	Composition I	ENG 1302*	3		ENGL 1302	Composition II
MATH 2401*	4		MATH 2413	Calculus I	POLS 2305*	3		GOVT 2305	Federal Government
Life and Physical Science*	3				Life and Physical Science*	3			
UHD 1302 (Freshman Sem - Math)*	3				MATH 2409 (Intro to Proofs)	4			
					MATH 2402	4		MATH 2414	Calculus II
<b>Total Hours</b>	<b>13</b>				<b>Total Hours</b>	<b>17</b>			

### Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
MATH 2307	3		MATH 2318	Linear Algebra	MATH 3302 (Prob & Stats)	3			
MATH 3301 (Diff. Equations)	3		MATH 2320	Differential Equations	MATH 3408 (Numerical Methods)	4			
POLS 2306*	3		GOVT 2306	Texas Government	American History Course*	3			
Oral Communication*	3				MATH 2403	4		MATH 2415	Calculus III
Language, Philosophy, & Culture*	3				Approved Minor Course (w/in College of Sciences & Technology)	3			
<b>Total Hours</b>	<b>15</b>				<b>Total Hours</b>	<b>17</b>			

### Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
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<b>Data 2401</b> (Data Science I)	4				<b>MATH 3306</b> (Intro Modern Algebra)	3			
<b>Social &amp; Behavioral Sciences*</b>	3				<b>MATH 3309 or MATH 3312 or MATH 3314</b>	3			
<b>MATH 3000-4000</b> Level Elective	3				<b>Approved Minor Course</b> (w/in College of Sciences & Technology)	3			
<b>MATH 3307</b> (Analysis I)	3				<b>Approved Minor Course</b> (w/in College of Sciences & Technology)	3			
<b>Approved Minor Course</b> (w/in College of Sciences & Technology)	3				<b>American History Course*</b>	3			
<b>Total Hours</b>	<b>16</b>				<b>Total Hours</b>	<b>15</b>			

**Fourth Year (Senior 90-120 hrs)**

<b>Semester 1</b>	<b>Hours</b>	<b>Grade</b>	<b>TCCNS</b>	<b>ACGM</b>	<b>Semester 2</b>	<b>Hours</b>	<b>Grade</b>	<b>TCCNS</b>	<b>ACGM</b>
<b>MATH 4000</b> (Elective Course)	3				<b>Creative Arts Course*</b>	3			
<b>MATH 4395</b> (Senior Project)	3				<b>MATH 4000</b> Level Elective	3			
<b>Approved Minor Course</b> (w/in College of Sciences & Technology)	3				<b>MATH Elective 3000-4000 Course</b>	3			
<b>Approved Minor Course</b> (w/in College of Sciences & Technology)	3				<b>Free Elective</b> (If needed)	3			
<b>Free Elective</b> (If needed)	3								
<b>Total Hours</b>	<b>15</b>				<b>Total Hours</b>	<b>12</b>			